CLAIMS

What is claimed:

A continuous, intermediate belt for receiving heat-fusible toner images from a photoreceptor surface and for simultaneously fusing and completely transferring said images to a copy sheet as glossy-surface images, said belt comprising:

- (a) a continuous support of fibrous fabric material having on at least the outer surface thereof a thin layer of elastomeric composition which impregnates, penetrates and anchors to said fibrous fabric material;
- (b) a thin primer layer of a polyfunctional silicone composition applied to said elastomeric layer and hydrolyzed to form a chemical bond between said elastomeric layer and the hydrolyzed silicone composition,
- (c) a thin outer layer of a heat-curable elastomer polymer applied to said hydrolyzed silicone primer layer and heat-cured to form a dry outer surface layer bonded to said primer layer, and having a smooth release surface for said heat fusible toner images.
- 2. A continuous intermediate belt according to Claim 1 in which said support of fibrous fabric comprises a woven fabric having high heat-resistance and mechanical strength.

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- 3. A continuous intermediate belt according to Claim 1 in which said elastomeric composition impregnated into said support comprises a synthetic rubber.
- 4. A continuous intermediate belt according to Claim 1 in which said primer layer comprises 3-amino triethoxysilanė.
- 5. A continuous intermediate belt according to Claim 1 in which said elastomer polymer comprises a vinylidene fluoride polymer.
- 6. A continuous intermediate belt according to Claim 5 in which said elastomer polymer is a tetrapolymer of vinylidene fluoride, hexafluoropropylene, tetrafluoroethylene and a cure site monomer.
- 1. A process for producing a continuous, intermediate belt for receiving heat-fusible toner images from a photoreceptor surface and for simultaneously fusing and completely transferring said images to a copy sheet as glossy-surface images, said process comprising the steps of:
 - (a) providing a continuous support of fibrous fabric material having on at least the outer surface thereof a thin layer of elastomeric composition which impregnates, penetrates and anchors to said fibrous fabric material;
 - (b) applying a thin primer layer of a polyfunctional silicone composition applied to said elastomeric layer and hydrolyzed to form a chemical bond between

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said elastomeric layer and the hydrolyzed silicone composition,

- (c) applying a thin outer layer of a heat-curable elastomer polymer applied to said hydrolyzed silicone primer layer and heat-cured to form a dry outer surface layer bonded to said primer layer, and
- (d) heat-curing said elastomer polymer at elevated temperatures to form a smooth release surface for said heat fusible toner images.
- 8. A process according to claim 7 in which said support of fibrous fabric comprises a woven fabric having high heat-resistance and mechanical strength.
- 9. A process according to claim 7 in which said elastomeric composition impregnated into said support comprises a synthetic rubber.
- 10. A process according to claim 7 in which said primer layer comprises 3-amino triethoxysilane.
- 11. A process according to claim 7 in which said elastomer polymer comprises a vinylidene fluoride polymer.
- 12. A process according to claim 11 in which said elastomer polymer is a tetrapolymer of vinylidene fluoride, hexafluoropropylene, tetrafluoroethylene and a cure site monomer.